



Health Science Clinical Study - 5560

(Nurse Aide Training or other Clinical Experience)

Course Description: Health Science Clinical Study is a course that guides students to make connections from the classroom to the healthcare industry through work –based learning experiences/activities. This course is designed to provide for further development and application of knowledge and skills common to a wide variety of healthcare professions. The students in this course will build on all information and skills presented in the previous required course foundation standards. The students will relay these skills into real life experiences. The student, teachers and work-based learning coordinators will work together to create opportunities for the students to get the best experience available in the districts geographic region. Students in this course should be First-Aid and CPR certified before participating in any healthcare experience outside of the classroom.

Nurse-Aide candidates. Under the direction and supervision of a registered nurse, students are prepared to perform nursing-related services to patients and residents in hospitals or long-term care facilities. For Nurse –Aide programs students will review all foundation standards in the clinical study program as well as the addition of the South Carolina Nurse Aide Curriculum found in the training program packet. <http://www.asisvcs.com/publications/pdf/074118.pdf> **This course meets all DHHS federal and state requirements for a certified nurse aide program in an approved NA training facility (NA program is optional)**

General Requirements: This course is recommended for students in grade 12. Pre-requisites are Health Science 1, 2 & 3*. (*HS 3 may be substituted with the following courses: PLTW Human Body Systems, Science based Anatomy and Physiology, AP Biology, or Medical Terminology.) Recommended pre-requisites or co-requisites for the course are Biology and Chemistry. ****Please note:** Only HS3, Medical Terminology or PLTW HBS will count towards being a completer in the Health Science Cluster. (AP Biology or Science A& P will not)

Credit: 1 or 2 unit (s)

Other: Students enrolled in this course as their 4th earned unit are considered completers in the Health Science Program and are expected to take the end of program National Health Science Assessment. This assessment is a Perkins fund 2S1 indicator and is recommended for all students who **earn** 4 units of credit in the Health Science subject area. (HS 1, HS 2, and two of any other courses that fall under the Health Science Pathway)

Foundation Standards:

- 1. Foundation 1: Academic Foundations:** Understand human anatomy, physiology, common diseases and disorders, and medical math principles.
- 2. Foundation 2: Communications:** Demonstrate methods of delivering and obtaining information, while communicating effectively.
- 3. Foundation 3: Systems:** Identify how key systems affect services performed and quality of care
- 4. Foundation 4: Employability Skills:** Utilize employability skills to enhance employment opportunities and job satisfaction.
- 5. Foundation Standard 5: Legal Responsibilities:** Describe legal responsibilities, limitations, and implications on healthcare worker actions.
- 6. Foundation Standard 6: Ethics:** Understand accepted ethical practices with respect to cultural, social, and ethnic differences within the healthcare environment.
- 7. Foundation Standard 7: Safety Practices:** Identify existing and potential hazards to clients, co-workers, and self. Employ safe work practices and follow health and safety policies and procedures to prevent injury and illness.
- 8. Foundation Standard 8: Teamwork:** Identify roles and responsibilities of individual members as part of the healthcare team.
- 9. Foundation Standard 9: Health Maintenance Practices:** Differentiate between wellness and disease. Promote disease prevention and model healthy behaviors.
- 10. Foundation Standard 10: Technical Skills:** Apply technical skills required for all career specialties and demonstrate skills and knowledge as appropriate.
***Specific skills may be included in a program of study based on career specialties. For example -*Nurse Aide candidates will need to satisfy skill requirements for their certification assessment.**

11. Foundation Standard 11: Information Technology Applications: Utilize and understand information technology applications common across health professions.

Detailed Foundation Standards Curriculum can be found at:

[http://www.healthscienceconsortium.org/docs/NATIONAL_HEALTH_SCIENCE_STANDARDS - May 2015f \(3\).pdf](http://www.healthscienceconsortium.org/docs/NATIONAL_HEALTH_SCIENCE_STANDARDS_-_May_2015f_(3).pdf)

Nurse Aide Candidates: Curriculum Summary

- I. **Introduction** (requirement of 16 hours curriculum instruction before having direct resident contact)
 - A. Communication and Interpersonal Skills**
 - B. Infection Control**
 - C. Safety/Emergency Procedures**
 - D. Promoting Resident's Independence**
 - E. Respecting Residents Rights**
- II. **Core Curriculum** (16-40 hours)
 - A. Role of the Nurse Aide – 1.5 hours**
 - B. Residents Rights – 3.0 hours**
 - C. Basic Nursing Skills – 7 hours**
 - D. Care of Cognitively Impaired Residents – 5 hours**
 - E. Mental Health and Social Service Needs – 2 hours**
 - F. Personal Care Skills – 2.5 hours**
 - G. Basic Restorative Services – 3 hours**

Detailed curriculum can be found at: <http://www.asisvcs.com/publications/pdf/074118.pdf>

Resources:

Browse catalog at www.mysctextbooks.com for latest instructional materials available to South Carolina public schools for health science technology courses.

Simmers, Louise. Diversified Health Occupations. Albany, New York: Delmar, latest edition. -----, -----: Teacher's Resource Kit, latest edition. -----, -----: Workbook, latest edition.

HealthCenter21 (SC Gerontology)
<https://learn.aeseducation.com>

Sorrentino, Sheila A. Mosby's Textbook for Nursing Assistants. Student Edition,

Elsevier, Inc. Mosby and WB Saunders, latest edition.

Thibodeau, Gary A., and Kevin T. Patton, Structure & Function of the Body. Student Edition, Elsevier, Inc. Mosby and WB Saunders, latest edition.

Grubbs, Peggy A. Essentials for Today's Nursing Assistant, Upper Saddle River, New Jersey: Brady, latest edition.

Hegner, Barbara R., Ester Caldwell, and Joan F. Needham. Nursing Assistant, Albany, New York: Delmar Publishers, Latest edition.

South Carolina Nurse Aide Curriculum. Developed by the South Carolina Department of Health and Environmental Control and the South Carolina Department of Health and Human Service, and the South Carolina Department of Education from national guidelines.

South Carolina Nurse Aide Training Program

<http://www.asisvcs.com/indhouse.asp?CPCAT=0741NURSE> -This page has information about testing, licensing and certification, and related support services like fingerprinting. The following documents and resources are available at this site

OTHER RESOURCES:

Colbert, Bruce J. Workplace Readiness for Health Occupations: A Foundation for Excellence. Delmar, latest edition.

Today's Class

<http://www.toadysclass.com>

Benjamin-Chung, Michele. Math Principles and Practice, Preparing for Health Career Success. Upper Saddle River: NJ: Prentice Hall, latest edition.

Haroun, Lee and Royce, Susan. Delmar's Teaching Ideas and Classroom Activities or Health Care. Albany, NY: Delmar, latest edition.

Toner, Patricia Rizzo, Consumer Health and Safety Activities, The Center for Applied Research in Education, latest edition.

Toner, Patricia Rizzo, Relationships and Communication Activities, The Center for Applied Research in Education, latest edition.

Toner, Patricia Rizzo, Stress Management and Self- Esteem Activities, The Center for Applied Research in Education, latest edition.

Umstatter, Jack. Brain Games: Ready-to-Use Activities That Make Thinking Fun for Grades 6-12. San Francisco: Jossey-Bass, latest edition.

Zedlitz, Robert H. How to Get a Job in Health Care. Albany, NY: Delmar, latest edition.

WEB SITES:

South Carolina Department of Education www.ed.sc.gov

South Carolina Health Science Education Teacher Resource Guide

www.cateresources.net/HSTETeacherResourceGuide/index.html

Health Science Educator Resources www.HealthScienceTeacher.com

National HOSA www.hosa.org

SC HOSA www.schosa.org

National Consortium for Health Science Education

www.healthscienceconsortium.org

South Carolina Occupational Information System (SCOIS)

www.scois.net

Personal Pathways to Success™

<http://www.palmettopathways.org/EEDA2/default.aspx>

EDUCATIONAL/CLASSROOM RESOURCES

American Medical Association: Careers in Healthcare

<http://www.ama-assn.org/ama/pub/education-careers/careers-health-care.shtml>

America's Career InfoNet

<http://www.acinet.org/>

American Heart Association

<http://www.americanheart.org/presenter.jhtml?identifier=1200000>

American Journal of Nursing

<http://www.ajn.org/>

American Red Cross

<http://www.redcross.org/>

Annals of Internal Medicine

<http://www.annals.org/>

Anatomy in Clay

<http://www.anatomyinclay.com/>

Ask Dr. Math

<http://mathforum.org/dr.math/dr-math.html>

Assessment: Motivational Appraisal of Personal Potential

<http://student.assessment.com/>

Aetna: InteliHealth

<http://www.intelihealth.com/IH/ihIH/WSIHW000/408/408.html>

Become an RN

<http://www.becomern.com/>

Be Something Amazing

<http://besomethingamazing.com/>

Body Works: A toolkit for healthy teens and strong families

<http://www.womenshealth.gov/bodyworks/>

Cancer.Net

<http://www.cancer.net/portal/site/patient>

Cardinal Health: Making healthcare safer and more productive

<http://www.cardinal.com/>

Career Voyages

<http://www.careervoyages.gov/healthcare-main.cfm>

CNN Health

<http://www.cnn.com/HEALTH/>

CollegeNet

<http://www.collegenet.com/elect/app/app>

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CreativEd Services

<http://www.creativeservices.com/>

Dr. Greene.....caring for the next generation

<http://www.drgreene.com/>

Estronaut: A forum for women's health

<http://www.womenshealth.org/>

Explore Health Careers

<http://www.explorehealthcareers.org/en/Index.aspx>

Health Answers Education

<http://www.healthanswers.com/>

Health Central

<http://www.healthcentral.com/>

Health Scout

<http://www.healthscout.com/>

JAMA: The Journal of the American Medical Association

<http://jama.ama-assn.org/>

Learn and Serve America's Service Learning Clearinghouse

<http://www.servicelearning.org/>

Medline Plus: Medical Encyclopedia

<http://www.nlm.nih.gov/medlineplus/encyclopedia.html>

Medical Math Lesson Plans

<http://cehd.umn.edu/NRCCTE/Math-In/MathHealth.html>

Medical Mysteries on the Web

<http://medmyst.rice.edu/>

Medical Reserve Corps

<http://www.medicalreservecorps.gov/HomePage>

MedicineNet: We Bring Doctors' Knowledge to You (Medical Dictionary)

<http://www.medterms.com/script/main/hp.asp>

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MedlinePlus: Trusted Health Information for You

<http://medlineplus.gov/>

Medscape from WebMD

<http://www.medscape.com/>

Merck: A Global Research-Driven Pharmaceutical Company

<http://www.merck.com/home.html>

MT Desk: Complete Online Resource Center for Medical Transcription Professionals

<http://www.mtdesk.com/>

National Institutes of Health, Office of Science Education

<http://science.education.nih.gov/lifeworks>

New England Journal of Medicine

<http://content.nejm.org/>

NORD: National Organization for Rare Disorders

<http://www.rarediseases.org/>

North Carolina Association for Biomedical Research

http://www.ncabr.org/biomed/bio_resources/rx.html

Nurse Spectrum | NurseWeek

<http://www.nurse.com/>

OncoLink: Abramson Cancer Center of the University of Pennsylvania

<http://www.oncolink.upenn.edu/>

Physicians' Desk Reference

<http://www.pdr.net/login/Login.aspx>

Pregnancy and Parenting for Today's Mom

<http://parenting.ivillage.com/>

PubMed: A service of the US National Library of Medicine and the National Institutes of Health

<http://www.ncbi.nlm.nih.gov/PubMed>

Reuters Health: The premier supplier of health and medical news

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<http://www.reutershealth.com/en/index.html>

RxList: The Internet Drug Index

<http://www.rxlist.com/script/main/hp.asp>

Starla's Creative Teaching Tips

<http://www.starlasteachtips.com/>

States' Career Clusters

www.careerclusters.org

Stay Healthy

<http://www.stayhealthy.com/page/view.sh?id=home>

Texas Health Science

<http://www.texashste.com/>

The Educator's Reference Desk

<http://ericir.syr.edu/>

The Riley Guide: Employment Opportunities and Job Resources on the Internet

<http://www.rileyguide.com/>

U.S. Public Health Service

<http://www.usphs.gov/>

Us TOO International Prostate Cancer Education and Support Network

<http://www.ustoo.com/>

Web MD

<http://www.webmd.com/>

Weil (Andrew Weil, MD) Your Trusted Health Advisor

<http://www.drweil.com/>

Wellness Web

<http://www.wellweb.com/>

World Health Online

<http://www.healthy.net/>

Yahoo Health

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<http://dir.yahoo.com/Health> ADD ~ www.healthscienceconsortium.org